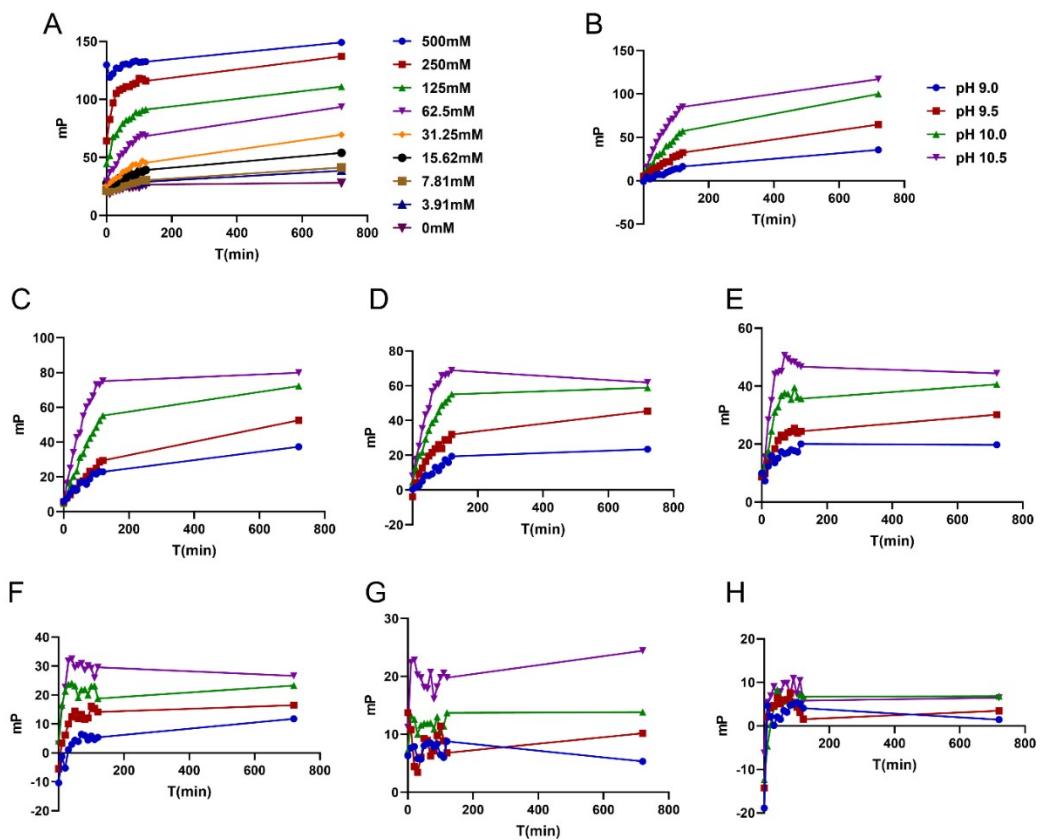


Extended Data Fig.1

Comparison of the Effects of Different Protein Concentrations and pH on the Coupling Reaction by Real-Time FP Detection. (A)-(F) Fluorescence polarization changes over time during the coupling reaction at pH values of 8.0(A), 8.5(B), 9.0(C), 9.5(D), 10.0(E), and 10.5(F).



Extended Data Fig.2

Imidazole Effects on the Coupling Reaction and Fluorescence Polarization.

(A) Fluorescence polarization changes of FITC in the absence or with gradient imidazole concentrations over time. (B)-(H) Fluorescence polarization changes during FITC-proteins coupling reaction in the absence (B) or with different imidazole concentrations (15.62mM, 31.5mM, 62.5mM, 125mM, 250mM, and 500mM, respectively) over time.